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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER NEB-241-PUS
INTERNATIONAL APPLICATION NO. PCT/US2005/009824		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/593790
INTERNATIONAL FILING DATE 23 March 2005 (23.03.2005)		PRIORITY DATE CLAIMED 24 March 2004 (24.03.2004)
TITLE OF INVENTION A Novel Modular Type II Restriction Endonuclease, CspCI, and the Use of Modular Endonucleases for Generating Endonucleases with New Specificities		
APPLICANT(S) FOR DO/EO/US New England Biolabs, Inc., et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/593790		INTERNATIONAL APPLICATION NO. PCT/US2005/009824		ATTORNEY'S DOCKET NUMBER NEB-241-PUS	
20. Other items or information: paper copy of seq listing and statement that paper and electronic copies are identical; copy of PCT Request; copy of 92bis Request to IB re inventor Nkenfou's citizenship; copy of 92bis Request to IB re correct address of New England Biolabs, Inc.					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0				\$ 200.00	
All other situations..... \$200					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100				\$ 100.00	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400					
All other situations..... \$500					
TOTAL OF 21, 22 and 23 =				600.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
92 - 100 =	-8 /50 =		x \$250	\$ 0.00	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 0.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	18 - 20 =	0	x \$ 50	\$ 0.00	
Independent claims	6 - 3 =	3	x \$ 200	\$ 600.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 360.00	
TOTAL OF ABOVE CALCULATIONS =				\$ 1560.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$ 780.00	
SUBTOTAL =				\$ 780.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ 0.00	
TOTAL NATIONAL FEE =				\$ 780.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
TOTAL FEES ENCLOSED =				\$ 820.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

10/593790
IAP9 Rec'd PCT/PTO 25 SEP 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

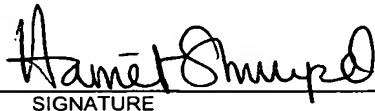
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- a. ☒ A check in the amount of \$ 720.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0740. A duplicate copy of this sheet is enclosed.
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NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Harriet M. Strimpel
New England Biolabs, Inc.
240 County Road
Ipswich, MA 01938
US


SIGNATURE

Harriet M. Strimpel, D.Phil.
NAME

37,008
REGISTRATION NUMBER

10/593790
IAP9 Rec'd PCT/PTO 25 SEP 2006

Practitioner's Docket No. NEB-241-PUS

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Richard Morgan, Geoffrey Wilson, Keith Lunnen, Daniel Heiter, Jack Benner,
Celine Nguefeu Nkenfou, and Stephen Picone

Application No.: not yet assigned

Group No.: N/A

Filed: herewith

Examiner: N/A

For: A Novel Modular Type II Restriction Endonuclease, CspCI, and the Use of Modular Endonucleases
for Generating Endonucleases with New Specificities

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Commissioner for Patents

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EXPRESS MAIL CERTIFICATE

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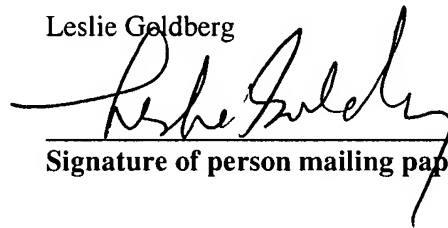
Date of Deposit 09/25/2006

I hereby state that the following *attached* paper or fee

US national phase application and related papers

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service
under 37 C.F.R. § 1.10, on the date indicated above and is addressed to the Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450.

Leslie Goldberg



Signature of person mailing paper or fee

10/593790

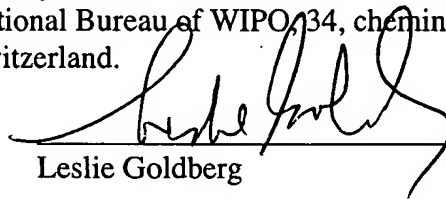
Applicant: New England BioLabs, Inc.
Application No.: PCT/US2005/09824
Filing Date: 23 March 2005
Title of Invention: A Novel Modular Type II Restriction Endonuclease, CspCI,
and the use of Modular Endonucleases for Generating
Endonucleases with New Specificities
Atty Dkt. No.: NEB-241-PCT
Date: 20 September 2006

AP9 Rec'd PCT/PTO 25 SEP 2006

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Certificate of Transmission

I hereby certify that this paper is being sent via facsimile to 41-22-338-7130 on
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Colombettes, 1211 Geneva 20, Switzerland.



Leslie Goldberg

REQUEST FOR CHANGE OF INVENTOR'S CITIZENSHIP UNDER 92bis

In connection with the above-referenced application, applicants request that the
citizenship of inventor Celine Nkenfou be changed from United States to Cameroon.

Please record this change and send us a confirmation (PCT/IB 306) of this recording
as soon as possible as we will shortly be entering the US national phase.

Respectfully submitted,


Harriet M. Strimpel, D. Phil.
Chief Patent Counsel and Assistant Clerk

10/593790

IAP9 Rec'd PCT/PTO 25 SEP 2006!



NEW ENGLAND
BioLabs[®]
Inc.

FAX TRANSMISSION

240 County Road
Ipswich, MA 01938-2723
Telephone (978) 380-7374
Email: goldberg@neb.com

DATE: August 24, 2006

TOTAL PAGES INCLUDING
COVER PAGE: 2

TO: International Bureau
ATTN: To Whom It May Concern
FAX NO: 41 22 338 7080
FROM: Leslie Goldberg *Leslie Goldberg*
FAX NO: (978) 380-7475

SUBJECT: Address Change Notification

RE: 5 PCT Applications

Please record the change of applicant's address for the attached cases.

From:

New England BioLabs, Inc.
32 Tozer Road
Beverly, MA 01915

To:

New England BioLabs, Inc.
240 County Road
Ipswich, MA 01938

Sincerely,

Leslie Goldberg

Leslie Goldberg
Patent Administrator

Application No.	Filing Date	Docket No.	Title
PCT/US2005/09824	3/23/2005	NEB-241-PCT	A Novel Type II Restriction Endonuclease, CspCI, Obtainable from <i>Citrobacter species 2144</i> and a Process for Producing the Same.
PCT/US2005/09829	3/23/2005	BH-003-PCT	Helicase-dependent Amplification of Circular Nucleic Acids
PCT/US2005/11858	4/8/2005	NEB-246-PCT	Method for Construction and Use of <i>Kluyveromyces lactis</i> Promoter Variants in <i>K. lactis</i> that Substantially Lack <i>E. coli</i> Transcriptional Capability
PCT/US2005/014454	4/27/2005	NEB-243-PCT	Characterization of McrA Subunits and Uses Thereof
PCT/US2005/019241	6/1/2005	NEB-248-PCT	Inferring Function From Shotgun Sequencing Data

*** TX REPORT ***

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